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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/661,505 | 09/15/2003 | Kazuko Kirihara | 117187 | 7418 |

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| EXAMINER | |
|---|---|
| WOLDEMARIAM, AKILILU K | |
| **ART UNIT** | **PAPER NUMBER** |
| 2624 | |

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

| Office Action Summary | Application No. | Applicant(s) | |
|---|---|---|---|
| | 10/661,505 | KIRIHARA ET AL. | |
| | Examiner | Art Unit | |
| | Aklilu k. Woldemariam | 2624 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1)☒ Responsive to communication(s) filed on *27 September 2007*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4)☒ Claim(s) *1-9* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-9* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *15 September 2003* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

## DETAILED ACTION

### *Priority*

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

### *Information Disclosure Statement*

2. *The information disclosure statement (IDS) submitted on 09/27/2007 was filed after the mailing date of 09/27/2007. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.*

### *Claim Rejections - 35 USC § 102*

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Kenichi (Japan Publication number 2001-216452 from IDS).

Regarding claim 1, *Kenichi discloses* a service processing apparatus *(see abstract, the management system 16 carries out service management and document management according to various definitions based on a document model or process model)* comprising:

a setting unit that sets at least a location of processing document data *(see paragraph [0004] sets at least a location of processing document referred to workflow*

*system is known as a method which manages an operating process)* and a content of a plurality of service processes to be executed on the document data *(see paragraph [0005] a content of a plurality of service processes referred to various kinds of data ,such as a related document, statistical materials) and* sets processing order of the plurality of service processes so that they well be executed serially and/or in parallel *(see paragraph [0014] plurality of service processes referred to integrated management of two or more documents managed by the database is carried out).*

a generating unit that generates, on the basis of a content of settings made by the setting unit, instruction data to be used for executing the plurality of service processes on the document data in the processing order set by the setting unit *(see paragraph [0028] document data in the processing order set by the setting unit referred to the database of the number of requests can be connected, those services are unified)*

an interpreting unit that interprets a content of the instruction data *(see paragraph [00029] 1st interface section has desirably the function to interpret the instruction);* and a cooperative processing unit that makes, on the basis of interpretation results of the interpreting unit, a plurality of service processing apparatuses connected to a network execute the plurality of service processes on the document data in a cooperative manner *(see paragraph [00029] and [0031]1st interface section has desirably the function to interpret the instruction and cooperative processing unit referred to the first interface and the second interface section are also constituted by software).*

Regarding claim 2, *Kenichi discloses* the service processing apparatus according to claim 1, further comprising:

a judging unit that judges whether each of the plurality of service processes is executable *(see paragraph [0058] the service administrative module 86 has the function to memorize the error which manages initiation and a halt of service and which was functioned and generated);* and

a processing unit that makes, if a service process is judged unexecutable by the judging unit, a service processing apparatus in charge of the unexecutable service process execute a predetermined executable service process *(see paragraph [0074] document set which became a candidate for acquisition with the management system checked 16 are checked. Here, when it is access from a thing without an access privilege or the status of the document will be in the condition which can be perused, error processing is performed in S104).*

Regarding claim 3, *Kenichi discloses* the service apparatus to claim 1, further comprising a rewriting Unit that rewrites the instruction data so that the service processes that are currently defined as being executed serially will be executed in parallel when the service processes that are to be executed serially in the processing order can be executed in parallel *(see paragraph [0029] instruction in accordance with predetermined application interface agreement and paragraph [0031] serially in the processing order can be executed in parallel referred to software by media of a portable mold or communication link to the store).*

Regarding claim 4, *Kenichi discloses* a service processing method comprising:

setting at least a location of processing document data *(see abstract , the management system 16 carries out service management and document management according various definitions based on a document model or process model)* and a content of a plurality of service processes to be executed on the document data, and setting processing order of the plurality of service processes so that they will be executed serially and/or parallel *(see abstract, plural services independently existent up to the moment are integrated and plural documents are managed as a document set for the unit of a job process and paragraph [0004] executed serially and/or parallel referred to sequential migration of the predetermined document (operating document used as a nucleus) is carried out between each process));*

generating, on the basis of a content of settings made in the setting step, instruction data to be used for executing the plurality of service processes on the document data in the processing order set in the setting step *(paragraph [0004] executed serially and/or parallel referred to sequential migration of the predetermined document (operating document used as a nucleus) is carried out between each process));*

interpreting a content of the instruction data *(see paragraph [00029] 1st interface section has desirably the function to interpret the instruction)*; and

making, on the basis of interpretation results in the interpreting step, a plurality of service processing apparatuses connected to a network execute the plurality of service on the document data in a cooperative manner *(see paragraph [00029] and [0031]1st*

*interface section has desirably the function to interpret the instruction and cooperative processing unit referred to the first interface and the second interface section are also constituted by software).*

Regarding claim 5, *Kenichi discloses* the service processing method according to claim 4, further comprising:

judging whether each of the plurality of service processes is executable*(see paragraph [0058] the service administrative module 86 has the function to memorize the error which manages initiation and a halt of service and which was functioned and generated);* and

making, if a service process is judged unexecutable, a service processing apparatus in charge of the unexecutable service process execute a predetermined executable service process *(see paragraph [0074] document set which became a candidate for acquisition with the management system checked 16 are checked. Here, when it is access from a thing without an access privilege or the status of the document will be in the condition which can be perused, error processing is performed in S104).*

Regarding claim 6, *Kenichi discloses* the service processing method according to claim 4, further comprising:

rewriting the instruction data so that service processes that are currently defined as being executed serially will be executed in parallel when the service processes that are to be executed serially in the processing order can be executed in parallel *(see paragraph [0029] instruction in accordance with predetermined application interface*

*agreement and paragraph [0031] serially in the processing order can be executed in parallel referred to software by media of a portable mold or communication link to the store).*

Regarding claim 7, *Kenichi discloses* a service processing apparatus comprising:

a setting unit that sets at least a location of processing document data *(see abstract , the management system 16 carries out service management and document management according various definitions based on a document model or process model)* and a content of a plurality of service processes to be executed on the document data, and sets order of the plurality of service processes so that they will be executed serially and/or in parallel *(see abstract, plural services independently existent up to the moment are integrated and plural documents are managed as a document set for the unit of a job process and paragraph [0004] executed serially and/or parallel referred to sequential migration of the predetermined document (operating document used as a nucleus) is carried out between each process));*

a generating unit that generates, on the basis of a content of settings made by the setting unit, instruction data to be used for executing the plurality of service processes on the document data in the processing order set by the setting unit *(paragraph [0004] executed serially and/or parallel referred to sequential migration of the predetermined document (operating document used as a nucleus) is carried out between each process));*

an interpreting unit that interprets a content of the instruction data *(see paragraph [00029] 1st interface section has desirably the function to interpret the instruction)*;

a process executing unit that executes a service process on the document data on the basis of interpretation results of the interpreting unit *(see paragraph [00029] 1st interface section has desirably the function to interpret the instruction)*; and

a sending unit that sends the instruction data to a service processing apparatus for executing a next service process after the process executing unit has finished execution of the service process *(see paragraph [0036] service processing apparatus referred to drawing 1, those operating applications 34A, 34B and 34C constitute some document service integration systems 10 or integrated management is carried out by system 10 concerned and paragraph[0038] sending unit that sends the instruction data referred to the function of all or a part of operating applications can be transmitted if needed to each client 12).*

Regarding claim 8, *Kenichi discloses* the servicing apparatus according to claim 7, further comprising:

a judging unit that judges whether the service process is executable *(see paragraph [0058] the service administrative module 86 has the function to memorize the error which manages initiation and a halt of service and which was functioned and generated);* and

a processing unit that executes a predetermined executable service process if the service process is judged unexecutable by the judging unit *(see paragraph [0074] document set which became a candidate for acquisition with the management system*

*checked 16 are checked. Here, when it is access from a thing without an access privilege or the status of the document will be in the condition which can be perused, error processing is performed in S104).*

Regarding claim 9, *Kenichi discloses* a service processing method comprising:

setting at least a location of processing document data *(see abstract , the management system 16 carries out service management and document management according various definitions based on a document model or process model)* and a content of a plurality of service processes to be executed on the document data, and setting processing order of the plurality of service processes so that they will be executed serially and/or in parallel *(see abstract, plural services independently existent up to the moment are integrated and plural documents are managed as a document set for the unit of a job process and paragraph [0004] executed serially and/or parallel referred to sequential migration of the predetermined document (operating document used as a nucleus) is carried out between each process))*;

generating, on the basis of a content of settings made in the setting step, instruction data to be used for executing the plurality of service processes on the document data in the processing order set in the setting step *(paragraph [0004] executed serially and/or parallel referred to sequential migration of the predetermined document (operating document used as a nucleus) is carried out between each process));*

interpreting a content of the instruction data *(see paragraph [00029] 1st interface section has desirably the function to interpret the instruction)*;

executing a service process on the document data on the basis of interpretation results in the interpreting step *(see paragraph [00029] 1st interface section has desirably the function to interpret the instruction)*; and

sending the instruction data to a service processing apparatus for executing a next service process after the process executing step has finished execution of the service process *(see paragraph [0036] service processing apparatus referred to drawing 1, those operating applications 34A, 34B and 34C constitute some document service integration systems 10 or integrated management is carried out by system 10 concerned and paragraph[0038] sending unit that sends the instruction data referred to the function of all or a part of operating applications can be transmitted if needed to each client 12)*.

***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aklilu k. Woldemariam whose telephone number is 571-270-3247. The examiner can normally be reached on Monday-Thursday 6:30 a.m-5:00 p.m EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Samir Ahmed can be reached on 571-272-7413. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Samir Ahmed
SPE
Art Unit 2624

A.W.
02/22/2008

SAMIR AHMED
SUPERVISORY PATENT EXAMINER